Securing Global IT Supply Chains and IT Products by Working with Open Trusted Technology Provider™ Accredited Companies

The Open Group Launches Accreditation Program for Organizations who Conform to the Open Trusted Technology Provider ™ Standard (O-TTPS)

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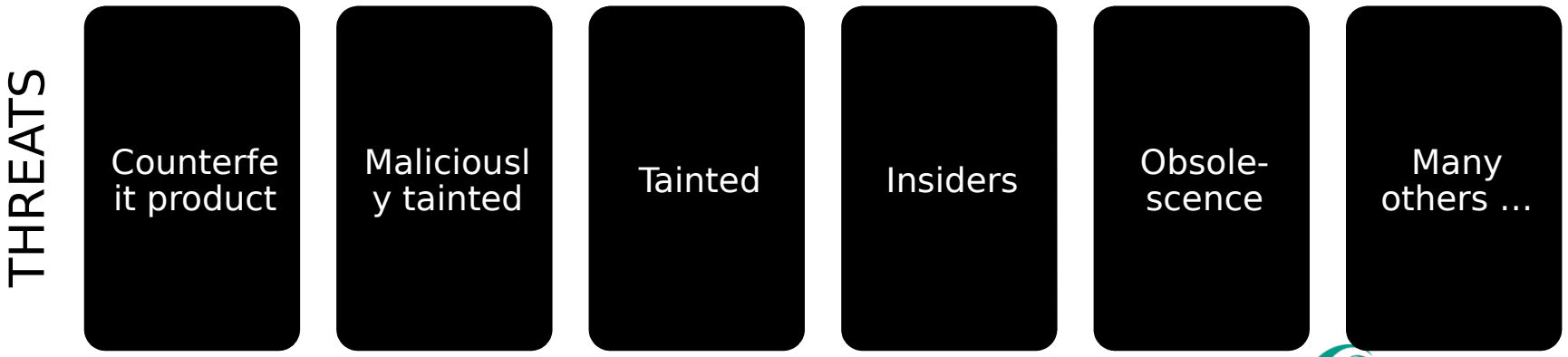
The Challenge…

Global Supply Chain security for COTS product

- Commercial Off the Shelf Products are developed and used globally
- COTS products rely on components that are often globally sourced
- COTS products are integrated into Critical Infrastructure, Government systems and Commercial solutions



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The OTTF

- **Government-industry roundtable discussion in 2009**
  - Initiated by DoD AT&L(SE), DoD-CIO and The Open Group
- **Government raised these issues**
  - Moving *from* high assurance customized solutions *to* Commercial Off The Shelf (COTS) Information Communication Technology (ICT)
  - Need to confidently identify trusted COTS ICT products/providers
- **Government recommendation**
  - **Establish consensus on best of breed best practices** based on industry experience to create a standard that enables all providers to conform to those best practices when building products.
  - **Create an accreditation program brand** that identifies trusted technology providers who conform to the standard
- **Response to the recommendation – the OTTF**
  - Providers, integrators, government agencies, third-party labs from around the globe responded to the recommendation

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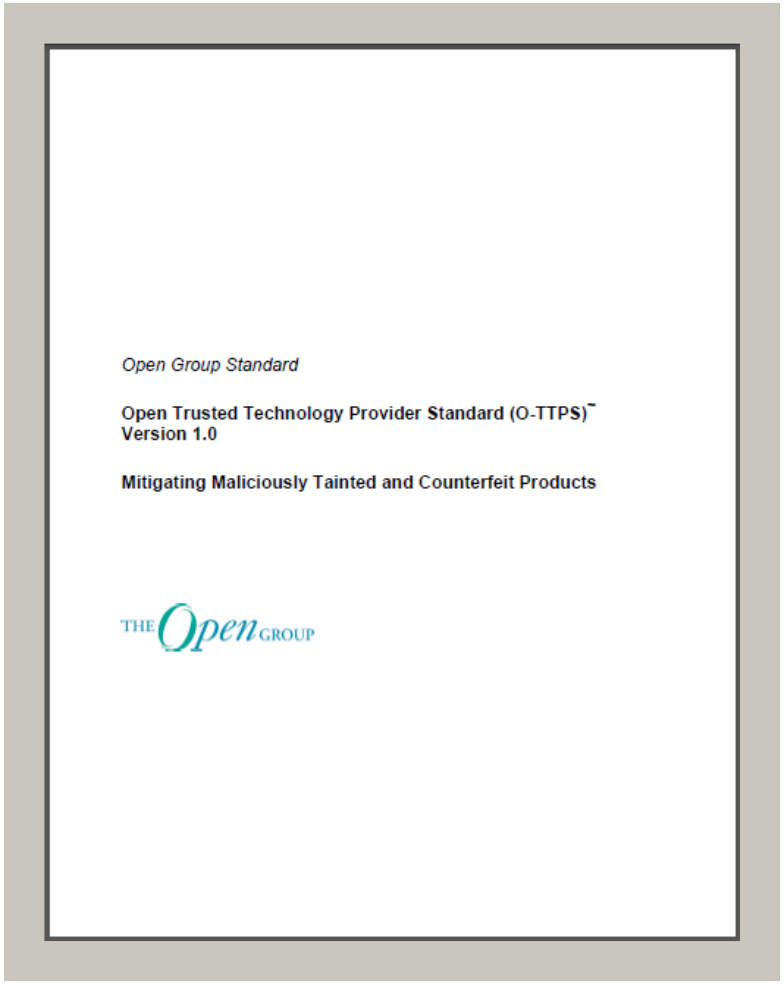
The O-TTPS


Open Group Standard
Open Trusted Technology Provider Standard (O-TTPS)™
Version 1.0
Mitigating Maliciously Tainted and Counterfeit Products
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The first version of the

O-TTPS addresses the two threats that have been identified as the most pressing:

- Maliciously Tainted
- Counterfeit Products

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The Open Group Trusted Technology Forum

A global industry-led initiative defining best practices for secure engineering and supply chain integrity so that you can *"Build with Integrity and Buy with Confidence™"*

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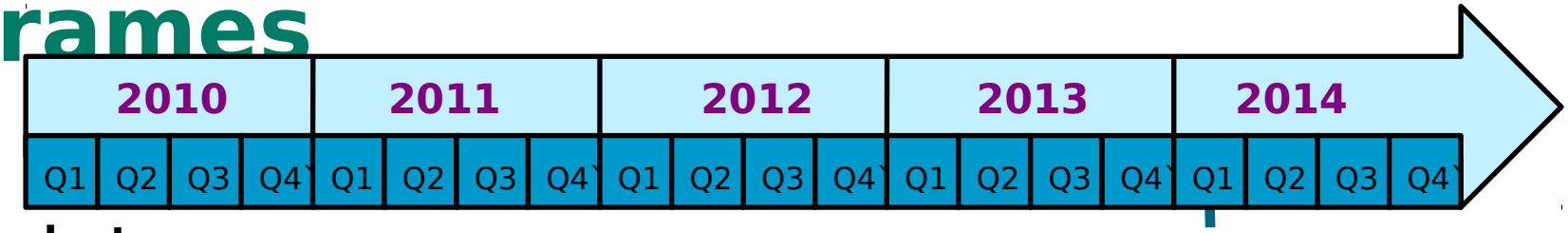
OTTF Milestones and Time Frames



Early Industry Collaboration

Forum Launched

Framework White Paper Published

Standard Development: Snapshot => Publish V 1.0

Define Conformance Criteria, Conduct Pilot Program

Define & Approve O-TTPS Accreditation Program

Implement and Launch Public O-TTPS Accreditation Program

O-TTPS v. 1.0 published April 2013

Conducted Pilot of the O-TTPS Accreditation

Feb 3, 2014 Announce:
1. Public Launch of Accreditation Program
2. First Accredited Open Trusted Technology Provider™

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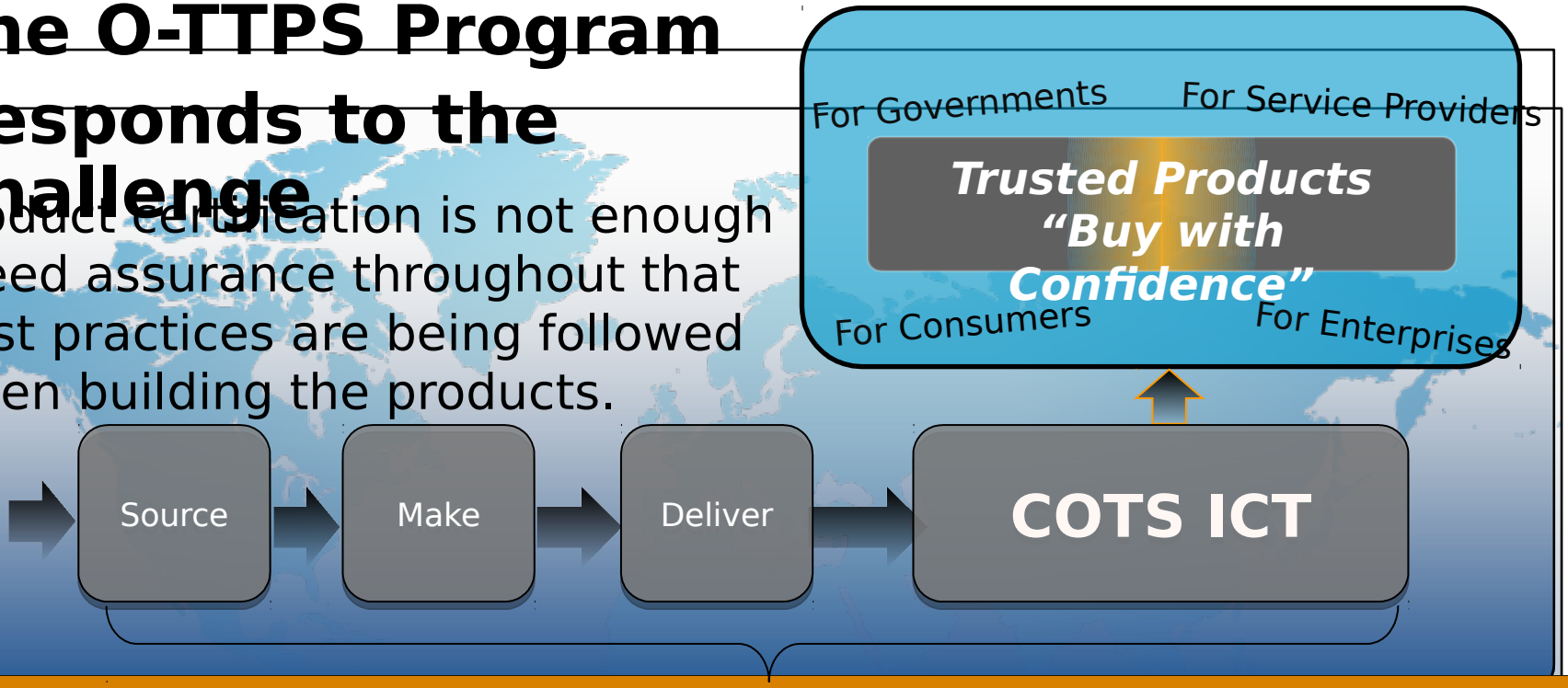
The O-TTPS Program Responds to the Challenge

Product certification is not enough -need assurance throughout that best practices are being followed when building the products.



"Build with Integrity"

Challenge: Commercial Off-the-Shelf (COTS) Information and Communication Technology (ICT) leverage a Global Supply Chain

Response: O-TTPS Standard and Accreditation Program

Requiring Full Product Life Cycle Approach
Offering a Standard for Best Practices for all Constituents in the Chain
Providing Accreditation to Help Assure Conformance to the Standard

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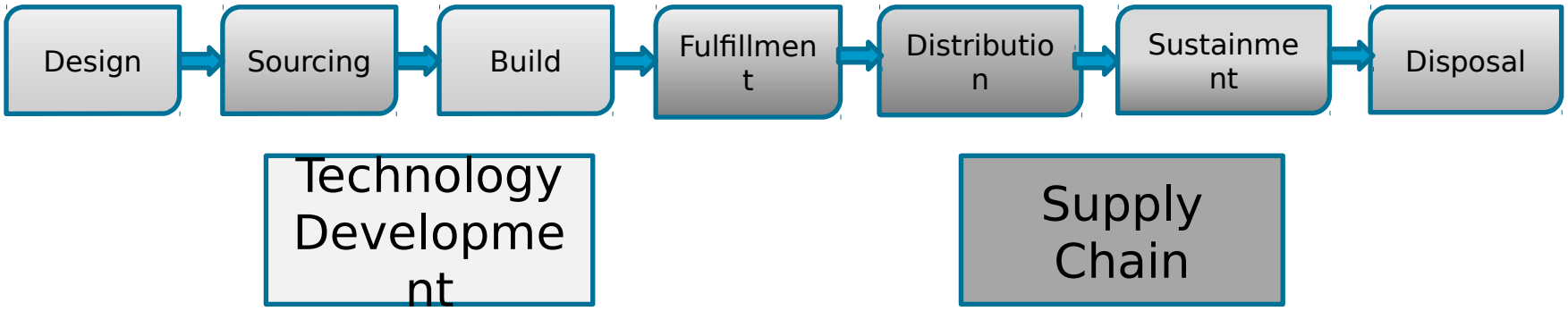
This Release: Mitigating Maliciously Tainted and Counterfeit Products through Product Life Cycle

Maliciously Tainted Products can result in: product failure, degraded performance, weakened security mechanisms - allowing malicious functionality to cause critical damage and theft of intellectual property

Counterfeit Products can result in: *For Customers*: loss of productivity, revenue – and critical damage if they fail at critical junctures. *For Providers:* loss of revenue stream and brand damage

To mitigate the risks effectively O-TTPS has process requirements that apply to hardware and software throughout the entire product life



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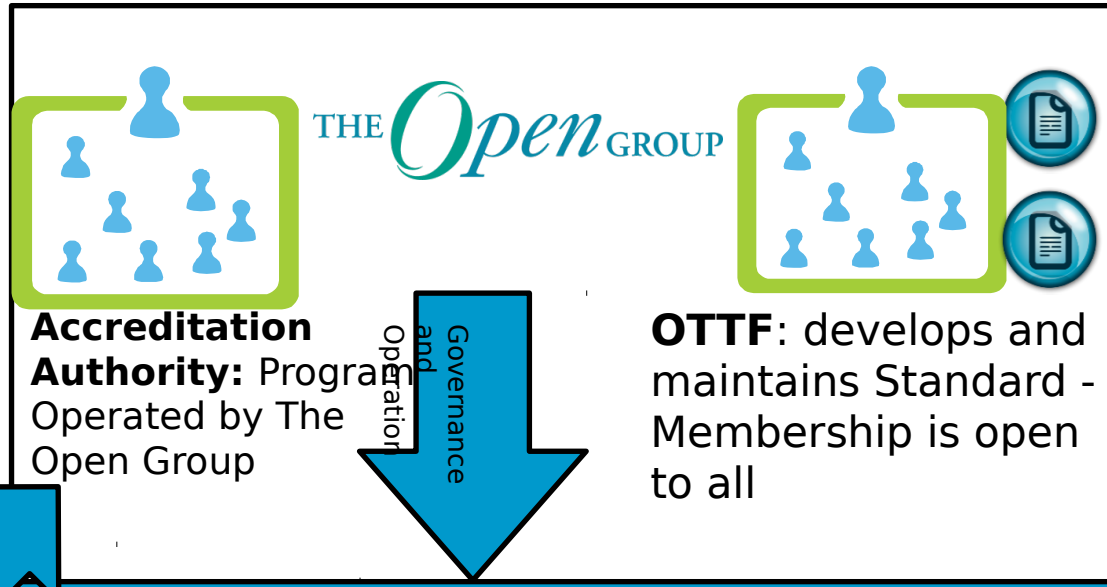
The O-TTPS Accreditation Program

Based on Warranty from Organization & Conformance Assessment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Accreditation Authority: Program Operated by The Open Group
Governance and Operation
OTTF: develops and maintains Standard - Membership is open to all
O-TTPS Accreditation Program
Vendor neutral program: Accreditation Authority responsible for accreditation of 3rd party assessors, appeals, certificates, logo-use, consistency across accreditations
Warrant & Represent
Application
Engages
Verifies Conformance
Success!

Scope Flexible. Whole organization to one product

Open Trusted Technology Providers™

Open to all Component Suppliers, Providers, Integrators – ***Do Not need to be an Open Group Member***

Program logo used to support accreditation claims

O-TTPS Recognized 3rd Party Assessors

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The Scope of Accreditation

- Organization chooses their scope: product, product line/business unit, an entire organization.
- Organization must warrant they are conformant to the O-TTPS requirements throughout the Scope.
- If the Scope is only one product it will be used to assess conformance to each of the O-TTPS requirements.
- If the Scope is a product line/business unit or organization then a set of representative selected products will be used to assess conformance throughout the scope.

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Two Assurance Components: Warranty by the Organization and Assessment by O-TTPS Recognized Assessors

- **All The Open Group programs include a warranty of conformance from the certified/accredited Organization**
- **The Organization's warranty helps ensure that within the Scope of Accreditation:**
  - Organizations conform to the O-TTPS requirements
  - Organizations remain conformant throughout the accreditation period
  - If there is a non-conformance, the Organization's practices must come back into conformance in a timely manner
- **If an Organization doesn't remain conformant:**
  - They can't use the Trademark Logo
  - They are removed from the public register
- **The Open Group uses trademarks because:**
  - Trademark law can be used to prevent false claims
  - Use of a trademark is controllable

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Assessments by 3rd Party Labs

- **Publically Available Assessment Procedures**
  - Help achieve objectivity, repeatability, and consistency across accreditations
- **Two types of requirements/evidence to be assessed: process and implementation**
  - Process – Need to provide evidence there are documented processes
  - Implementation – Need to provide evidence that the processes were implemented
- **Formal Recognition of O-TTPS 3rd party labs**
  - Must meet established criteria and assessors must pass O-TTPS Assessor exam.
  - Receive certificates and listed on public registry

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O-TTPS Accreditation: Summary

- The Organization can be a component supplier, a provider, or integrator
- The Organization warrants and represents their conformance to requirements throughout their declared Scope of Accreditation
- Scope up to Organization: product, product-line, organization
- Warranty backed by evidence of conformance and assessment of evidence by 3rd party O-TTPS Recognized Assessors
- The Open Group operates vendor-neutral program, provide oversight and consistency across applications
- Successful applicant gets certificate and use of trademark and logo
- The Open Group manages trademark and logo use, problem reporting and appeals process.
- The accreditation period is 3 years before required renewal
- O-TTPS accreditation open to any organization
  - don't need to be a member
- O-TTPS Recognized Assessor Program, managed by The Open Group

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Resources

- The Open Group Trusted Technology Forum
- The O-TTPS (Standard) Version 1.0
- The Open Group represents OTTF at Congress
- O-TTPF Vendor Testimonials
- The O-TTPS Accreditation Policy Version 1.0
- OTTF Podcast (Dana Gander with: Brickman, Lipner, Lounsbury, and Szakal)
- Press Release Feb 3, 2014 – Launch of the O-TTPS Accreditation Program
- The Open Group

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Thank You!

For more information on the O-TTPS Accreditation Program visit

http://www.opengroup.org/accreditation/o-ttps

For more information on the Forum visit:

http://www.opengroup.org/subjectareas/trusted-technology

For more information on Membership contact Mike Hickey at m.hickey@opengroup.org

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